



Sustainability

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Abstract:

This review on Sustainability covers selected journal articles and conferences papers published in 2010 and is divided into the following sections1: • Sustainable water and wastewater utilities • Sustainable water resources management • Industrial and corporate approaches towards sustainability • Stormwater and green infrastructure • Sustainability in wastewater treatment • Life cycle assessment (LCA) applications • Sustainability and energy in wastewater industry • Sustainability and climate change • Sustainability and water reuse • Sustainability rating systems The sustainable water and wastewater utilities reviewed sustainable practices and sustainable workforce management. The stormwater and green infrastructure (GI) described the current development in five categories: new studies of GI and low impact development (LID) system performance; GI/LID system planning assessments; macro-scale hydrologic and hydraulic modeling of GI/LID systems; efforts to model changes of water flow and quality in individual GI/LID systems; and social implications of GI/LID systems. The sustainability in wastewater treatment reviewed wastewater treatment; source separation; anaerobic technologies; wetland and low impact treatment systems; algae technologies; and the microbial fuel cell technology. Copyright © 2011 Water Environment Federation.

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Resource Description

Communication: ☒

resource focus on research or methods on how to communicate or frame issues on climate change; surveys of attitudes, knowledge, beliefs about climate change

A focus of content

Communication Audience: ☒

audience to whom the resource is directed

Policymaker

Exposure : ☒

weather or climate related pathway by which climate change affects health

Food/Water Quality

Food/Water Quality: Other Water Quality Issue

Water Quality (other): Saltwater intrusion

Geographic Feature: ☐

resource focuses on specific type of geography

Freshwater

Geographic Location: ☐

resource focuses on specific location

Global or Unspecified

Health Co-Benefit/Co-Harm (Adaption/Mitigation): ☐

specification of beneficial or harmful impacts to health resulting from efforts to reduce or cope with greenhouse gases

A focus of content

Health Impact: ☐

specification of health effect or disease related to climate change exposure

Health Outcome Unspecified

Mitigation/Adaptation: ☐

mitigation or adaptation strategy is a focus of resource

Adaptation

Resource Type: ☐

format or standard characteristic of resource

Review

Timescale: ☐

time period studied

Time Scale Unspecified